

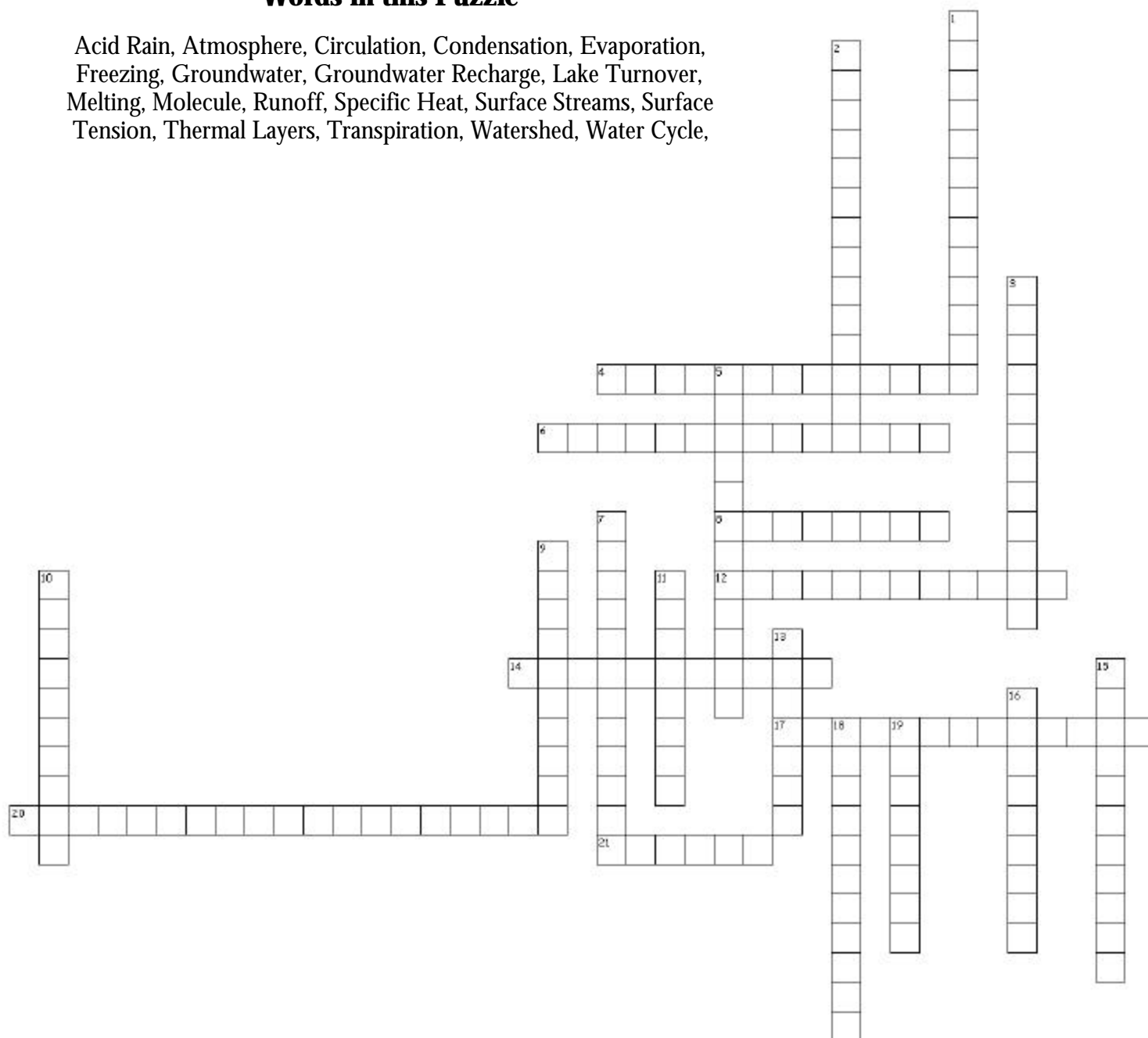


Lake Water Properties & The Water Cycle: A Crossword Puzzle



Words in this Puzzle

Acid Rain, Atmosphere, Circulation, Condensation, Evaporation,
Freezing, Groundwater, Groundwater Recharge, Lake Turnover,
Melting, Molecule, Runoff, Specific Heat, Surface Streams, Surface
Tension, Thermal Layers, Transpiration, Watershed, Water Cycle,



Across

4. Water brought from the roots of plants up to and out of the leaves and evaporated into the atmosphere
6. A measure of the strength of water's surface film, the attraction between the water molecules creates a strong film
8. The process by which a liquid becomes cold enough to change its form to a solid (water changing to ice)
12. The process of water vapor cooling and forming a liquid
14. Water that is absorbed by the soil and is still flowing downhill
17. Distinct layers of water in a lake due to temperature differences
20. The process by which lake water enters groundwater through precipitation
21. Water that has fallen from the sky as precipitation and flows across the earth's surface

Down

1. Moisture that falls to the earth in the form of rain, snow, hail, sleet, etc
2. Any water running on the earth's surface such as rivers, streams, brooks, creeks, etc.
3. Water being absorbed by the soil
5. The amount of heat required to raise the temperature of one unit of a substance one degree Celsius
7. The mixing of nutrients and oxygen throughout the water column of deep water lakes and ponds caused by seasonal temperature changes in the spring and fall in northern areas and may occur constantly in shallow ponds when temperature remains constant
9. The circulation of water in the atmosphere and on the earth in its various forms, powered by the sun
10. All of the gases surrounding the earth
11. Precipitation that falls to the earth with a pH reading below 5.6, low pH is caused primarily by sulfuric and nitric acid derived from emissions of sulfur dioxide and nitrogen oxides
13. The process by which a solid form changes to a liquid
15. Movement of a substance through a cycle
16. An area within which all water flows to the lowest spot and collects in a lake, river, or the ocean
18. The process of a liquid changing to form a gas (vapor)
19. The smallest particle of a substance that retains all the properties of the substance and is composed of one or more atoms